

Serial No. 09/829,443
Amdt. dated September 21, 2004
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Amendments to the Claims:

The following listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A scanner for a medical optical imaging device, comprising:

a) an illumination source positioned to direct emitted light into a breast positioned below a support surface;

b) a plurality of detectors positioned to detect light emerging from the breast; and

c) a container disposed below said illumination source and said detectors, said container including inside surface structures adapted to trap light reflected from the breast.

2. (Original) A scanner as in claim 1, wherein said container is cylindrical.

3. (Original) A scanner as in claim 1, wherein:

a) said container includes an inside vertical wall surface; and

b) said inside vertical wall surface includes angular steps.

4. (Original) A scanner as in claim 3, wherein said angular steps each includes a horizontal surface and an angular surface directed upwardly.

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5. (Original) A scanner as in claim 3, wherein said vertical wall surface is coated with low reflectivity material.

6. (Original) A scanner as in claim 5, wherein said low reflectivity material is flat black paint.

7. (Original) A scanner as in claim 1, wherein said container includes an inside bottom surface.

8. (Original) A scanner as in claim 7, wherein said inside bottom surface includes vertically directed honeycomb structure with openings directed upwardly.

9. (Original) A scanner as in claim 8, wherein said openings are hexagonal.

10. (Original) A scanner as in claim 7, wherein said inside bottom surface is coated with low-reflectivity material.

11. (Original) A scanner as in claim 10, wherein said material is flat black paint.

12. (Original) A scanner as in claim 1, and further comprising a side curtain disposed around the breast to exclude ambient light from the breast.

13. (Original) A scanner as in claim 12, wherein said side curtain is foldable vertically.

14-35. (Canceled)